

Notice of Allowability

Application No.

10/016,740

Examiner

Aaron Strange

Applicant(s)

KIME ET AL.

Art Unit

2153

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the response filed 3/19/07.
2. ☒ The allowed claim(s) is/are 31-33, 35, 36, 39-46, 49-53 and 58-60 (now renumbered 1-21).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☒ Other See Continuation Sheet.


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SUPERVISORY PATENT EXAMINER

Continuation of Attachment(s) 9. Other: replacement claims 31, 39, 44, 49 and 58.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this Examiner's amendment was given in a telephone interview with Aslam Jaffery (Reg. No. 51,841) on 6/4/2007.

The application has been amended as follows:

IN THE SPECIFICATION:

Replace ¶26 with:

[0026] While, as illustrated, server 102 and client 104 may comprise memory 204 and memory 214, respectively, each may comprise any machine-readable medium, including any mechanism that provides (i.e., stores and/or transmits) information in a form readable by a machine (e.g., a computer). For example, a machine-readable medium includes storage mediums such as read only memory (ROM); random access memory (RAM); magnetic disk storage media; optical storage media; and flash memory devices; as well as transmission mediums such as electrical, optical, acoustical or other form of propagated signals (e.g., carrier waves, infrared signals, digital signals, etc.); etc.

IN THE CLAIMS:

- a) **CANCEL** claims 34 and 48.
- b) In claim 36, **DELETE** "receiving the unique validation key at the associated destination;" from line 2.
- c) In claim 59, **INSERT** "storage" **AFTER** "machine-readable" in line 1.
- d) In claim 60, **INSERT** "storage" **AFTER** "machine-readable" in line 1.

e) **REPLACE** claims 31, 39, 44, 49 and 58 **with the attached claims**.

Allowable Subject Matter

2. Claims 31-33, 35, 36, 39-46, 49-53 and 58-60 (now renumbered 1-21) are allowed.

3. The following is the Examiner's statement of reasons for allowance:

Applicant's amendments and accompanying arguments, see pages 9-11 of the remarks filed 3/19/2007, with respect to claims 31-36, 39-41, 44-46, 48-51 and 58-60 have been fully considered and are persuasive. The rejection of those claims has been withdrawn.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aaron Strange whose telephone number is 571-272-3959. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glen Burgess can be reached on 571-272-3949. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AS
6/5/07



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ATTACHMENT TO EXAMINER'S AMENDMENT FOR 10/016,740

Claim 31: A method comprising:

generating a unique validation key associated with a data stream, the unique validation key to map the data stream with a source, wherein the unique validation key is generated based on a combination of a uniform resource locator (URL) and an encryption key;
storing the unique validation key;
sending the unique validation key to the client at the associated destination;
receiving a request for a data stream from the client after sending the unique validation key to the client;
generating the data stream;
embedding the unique validation key in the data stream to form a validation key embedded data stream, wherein the validation key embedded data stream is to ensure that the data stream includes content intended for an associated destination, wherein the validation key is embedded in the data stream wrapped by predetermined data, the predetermined data including a number of predetermined bytes to precede and trail the validation key; and
sending the validation key embedded data stream to the client at the associated destination.

Claim 39: A method comprising:

receiving a unique validation key associated with a data stream, the unique validation key to map the data stream with a source, wherein the unique validation key received is generated based on a combination of a uniform resource locator (URL) and an encryption key;
storing the unique validation key;
requesting a data stream after receiving the unique validation key;
receiving the data stream;
sampling the data stream to detect the unique validation key embedded in the data stream, wherein the validation key embedded data stream is to ensure that the data stream includes content intended for an associated destination, wherein the validation key is embedded in the data stream wrapped by predetermined data, the predetermined data including a number of predetermined bytes to precede and trail the validation key; and
validating the data stream in response to detecting the unique validation key embedded in the data stream.

Claim 44: An apparatus, comprising:

a database;

a server coupled with the database and an associated destination, the associated destination including a client, the server to receive a request for a data stream, the server having

a processor, and

a memory coupled with the processor, the memory including

a key generation module (KGM) to generate a unique validation key associated with the data stream and send the unique validation key to the client at the associated destination prior to receiving the request for the data stream, the unique validation key to map the data stream with a source, wherein the unique validation key is generated based on a combination of a uniform resource locator (URL) and an encryption key; and

an encoder to embed the unique validation key in the data stream to form a validation key embedded data stream, wherein the validation key embedded data stream is to ensure that the data stream includes content intended for an associated destination, wherein the validation key is embedded in the data stream wrapped by predetermined data, the predetermined data including a number of predetermined bytes to precede and trail the validation key;

the database to store the unique validation key; and

the server to send the validation key embedded data stream to the associated destination.

Claim 49: A system, comprising:

a server coupled with a client and a database, the server to receive a request for a data stream, the server including

a key generation module (KGM) to generate a unique validation key associated with the data stream and send the unique validation key to the client at the associated destination prior to receiving the request for the data stream, the unique validation key to map the data stream with a source, wherein the unique validation key is generated based on a combination of a uniform resource locator (URL) and an encryption key; and

an encoder to embed the unique validation key in the data stream to form a validation key embedded data stream, wherein the validation key embedded data stream is to ensure that the data stream includes content intended for an associated destination, wherein the validation key is embedded in the data stream wrapped by predetermined data, the predetermined data including a number of predetermined bytes to precede and trail the validation key;

the client to receive the validation key embedded data stream; and

the database to store the unique validation key.

Claim 58: A machine-readable storage medium comprising instructions, which when executed by a machine, cause the machine to:

- generate a unique validation key associated with a data stream, the unique validation key to map the data stream with a source, wherein the unique validation key is generated based on a combination of a uniform resource locator (URL) and an encryption key;
- store the unique validation key;
- send the unique validation key to the client at the associated destination;
- generate the data stream in response to a request for the data stream received from the client after sending the unique validation key to the client;
- embed the unique validation key in the data stream to form a validation key embedded data stream, wherein the validation key embedded data stream is to ensure that the data stream includes content intended for an associated destination, wherein the validation key is embedded in the data stream wrapped by predetermined data, the predetermined data including a number of predetermined bytes to precede and trail the validation key; and
- send the validation key embedded data stream to the client at the associated destination.